

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P790699

Luminaire Tested: LER6D25D010-EC6DR2015309050-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790699
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D25D010-EC6DR2015309050-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3173.0 lumens
Efficiency: N/A
Efficacy: 126.4 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.36
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

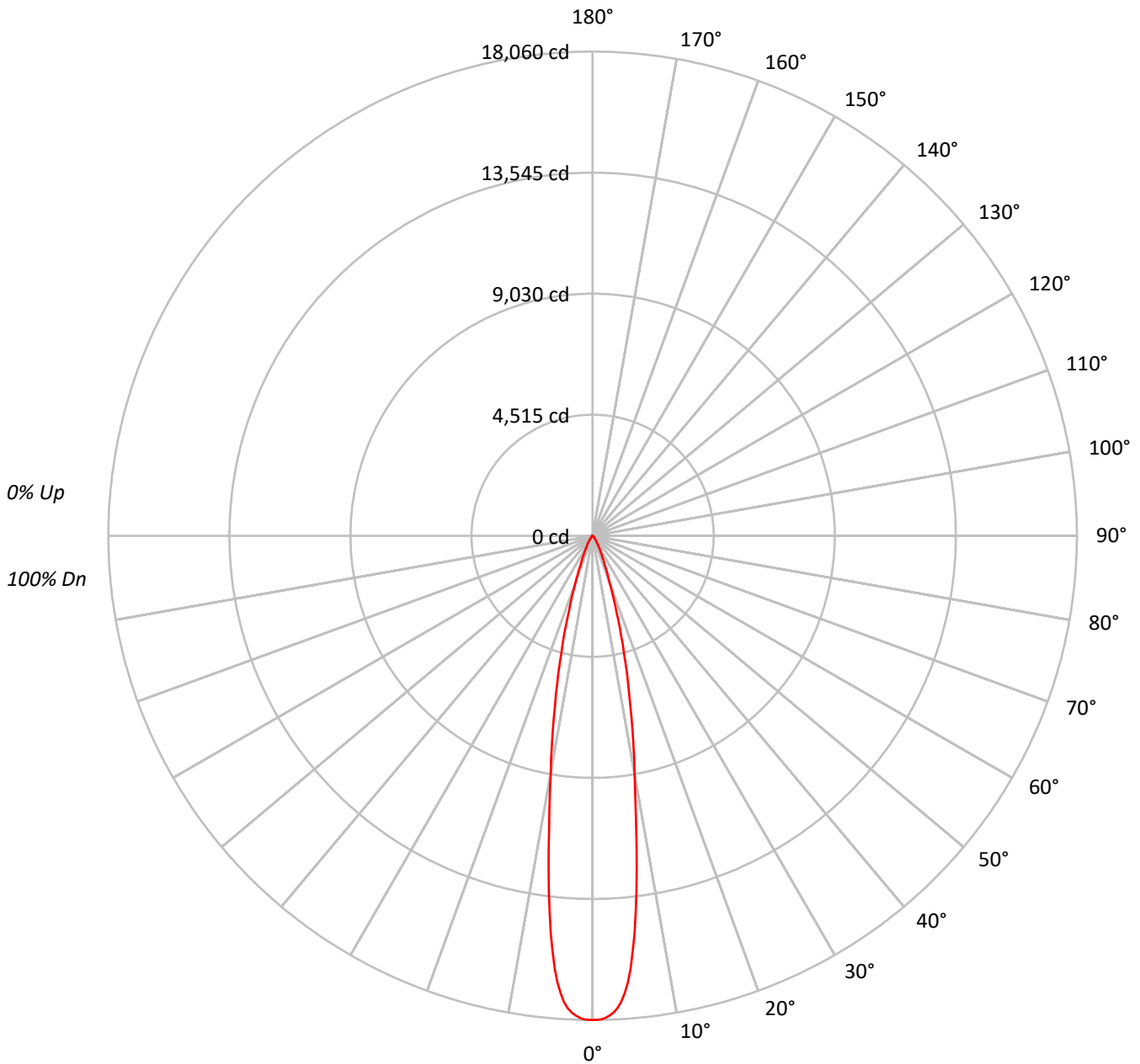
Input Watts (W): 25.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P790699
CATALOG NUMBER: LER6D25D010-EC6DR2015309050-6LBS1B

Luminous Intensity Polar Plot





TEST NUMBER: P790699

CATALOG NUMBER: LER6D25D010-EC6DR2015309050-6LBS1B

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100																
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	97	98	97	94															
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94	98	96	95	94															
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91	95	93	92	91															
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88	93	91	89	88															
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85	91	88	86	85															
6	99	93	89	86	98	92	88	86	91	87	85	90	87	84	88	86	84	83	88	86	84	83															
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	81	86	84	82	81															
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	79	84	82	80	79															
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	82	80	78	77															
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	81	78	76	75	81	78	76	75															

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1973282
5°	1780262
10°	999182
15°	507898
20°	215035
25°	99266
30°	52547
35°	28317
40°	15133
45°	8947
50°	5201
55°	2762
60°	1748
65°	1241
70°	511
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8947 cd/sqm



TEST NUMBER: P790699

CATALOG NUMBER: LER6D25D010-EC6DR2015309050-6LBS1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1285.9	40.5
10°-20°	1266.2	39.9
20°-30°	413.6	13.0
30°-40°	140.8	4.4
40°-50°	47.4	1.5
50°-60°	14.3	0.4
60°-70°	4.7	0.1
70°-80°	0.2	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2965.7	93.5
0°-40°	3106.5	97.9
0°-60°	3168.1	99.8
0°-90°	3173.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3173.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18060	
5°	16232	###
15°	4490	1266
25°	823	414
35°	212	141
45°	58	47
55°	14	14
65°	5	5
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P790699

CATALOG NUMBER: LER6D25D010-EC6DR2015309050-6LBS1B

CANDELA DISTRIBUTION (FULL):

	0°
0°	18060.3
0.5°	18060.3
1°	18037.8
1.5°	17992.7
2°	17910.7
2.5°	17801.4
3°	17647.0
3.5°	17431.5
4°	17111.4
4.5°	16722.2
5°	16231.7
5.5°	15586.8
6°	14925.9
6.5°	14168.4
7°	13427.0
7.5°	12558.6
8°	11783.4
8.5°	11003.4
9°	10282.9
9.5°	9622.0
10°	9006.0
12.5°	6466.6
15°	4490.1
17.5°	2933.4
20°	1849.4
22.5°	1198.1
25°	823.4
27.5°	579.0
30°	416.5
32.5°	299.1
35°	212.3
37.5°	148.0
40°	106.1
42.5°	77.2
45°	57.9
47.5°	45.0
50°	30.6
52.5°	19.3
55°	14.5
57.5°	11.3
60°	8.0
62.5°	6.4
65°	4.8



TEST NUMBER: P790699

CATALOG NUMBER: LER6D25D010-EC6DR2015309050-6LBS1B

CANDELA DISTRIBUTION (continued):

	0°
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



— 0°-180°

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



67.5°		3.2
70°		1.6

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)